

ABSTRACT OF THE DISCLOSURE

Method and apparatus for efficient management and transport of traffic over a network. The available bandwidth capacity of paths in a network may be stored in a first router. A request may be received at the first router from a network node of a second network for a signaled path through the network to a destination node. Paths may be examined by the first router and the signaled path assigned to a path from the first router to the destination node using an existing path through the network. Further, all traffic from a subnet to a given destination network may be handled by one or more mobile agents at the subnet. One or more mobile agents may be assigned to all or some of the traffic based on current path loading.

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